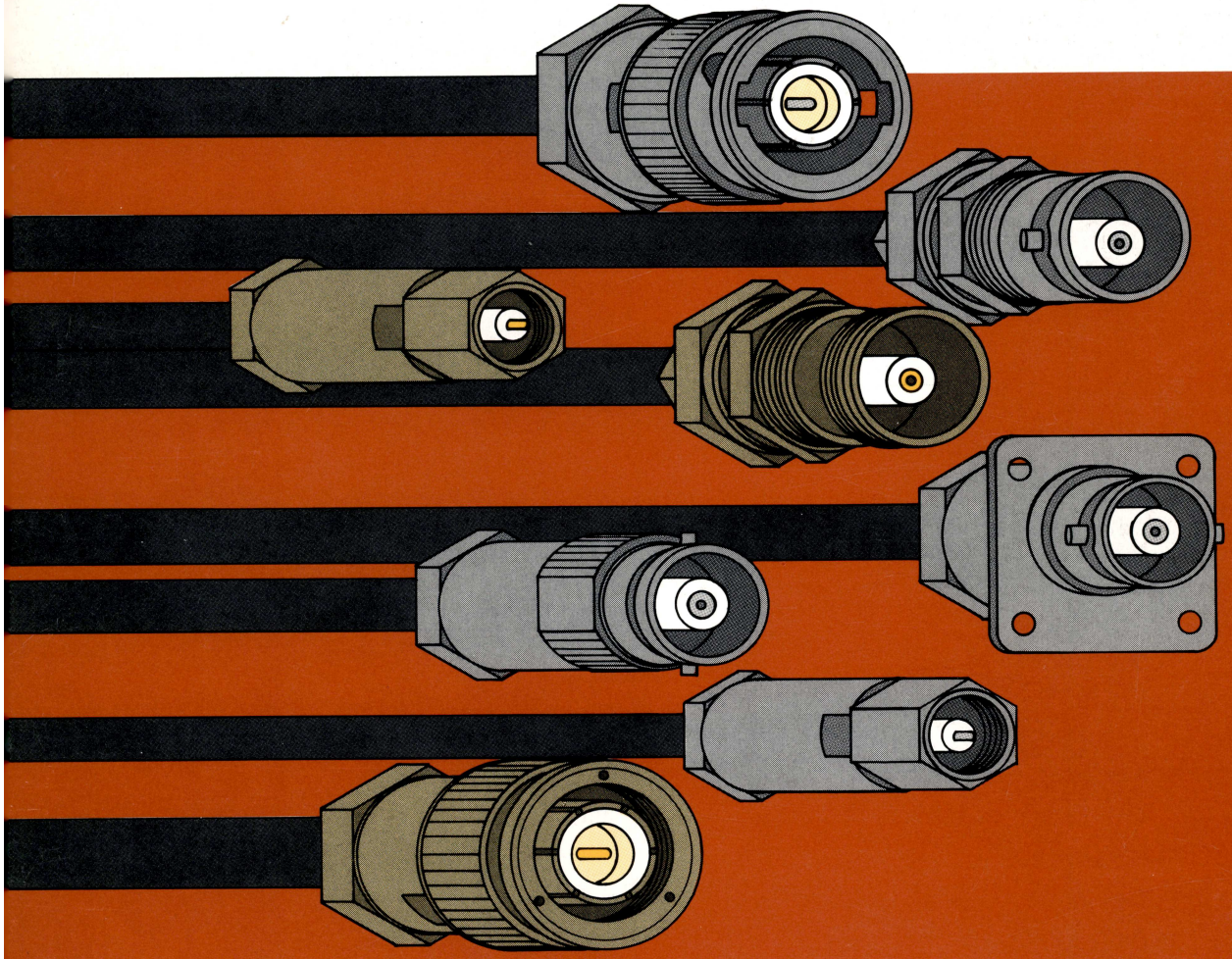
SQUARE CUT CONNECTORS

SMA ▪ BNC ▪ TNC



12-150

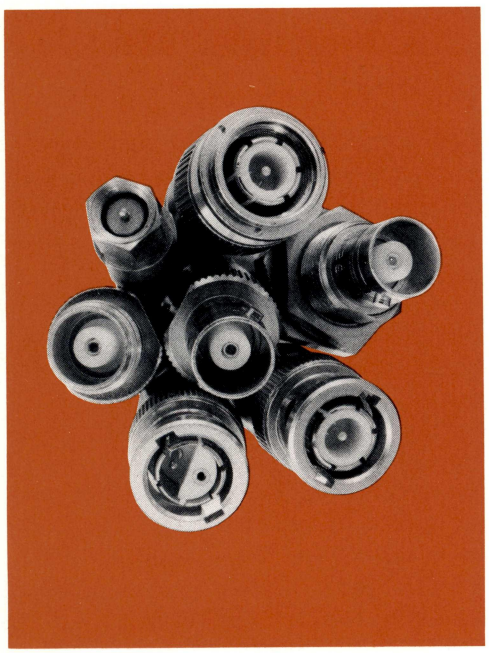
Bendix

Electrical
Components
Division

TABLE OF CONTENTS

Page	Description
1	Square-Cut Advantages
2, 3	Square-Cut Termination System
4, 5	The 30 Second Assembly
6	How to Order
7	SMA Square-Cut
8–10	Body Style Dimensions and Cable Data
11	BNC Square-Cut
12 – 16	Body Style Dimensions and Cable Data
17	TNC Square-Cut
18 – 22	Body Style Dimensions and Cable Data
23	Specials
24	Value Added Distributors

Due to space limitations, metric equivalents of dimensional data in this catalog have not been included. All dimensions given may be converted to the metric system by the standard formula: Inches x 25.40 = Millimeters.

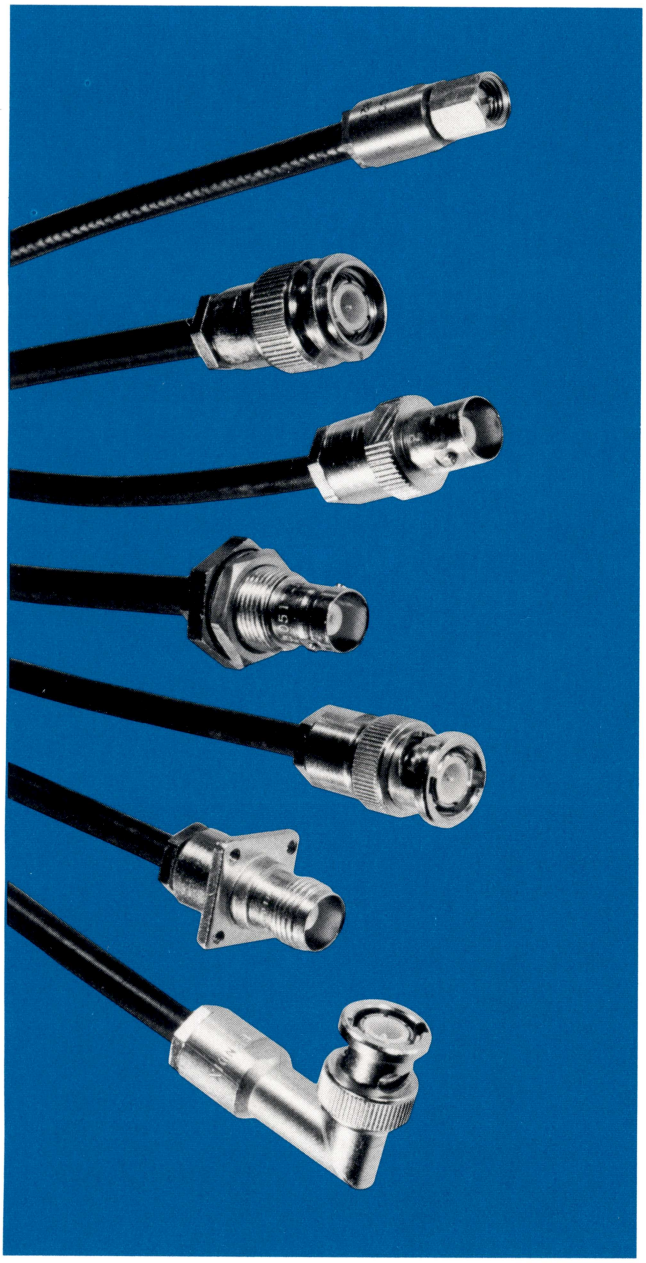


Bendix Square-Cut* connectors exceed all MIL-C-39012 performance and material requirements. In addition, the Square-Cut termination system provides:

- **Low installation costs** — assembly is simple and easy; can be performed in as little as 30 seconds.
- **Reliability** — only three or four parts are involved in terminating Square-Cut connectors while visual quality control can be maintained throughout the entire assembly procedure.
- **Elimination of special tools** — Square-Cut terminated connections make crimping tools and dies unnecessary.
- **Strong terminations** — exceed MIL Spec requirements; limited, only, by the tensile strength of the coaxial cable.
- **Field repairable parts** — disassemble and replace Square-Cut connectors on location with minimum loss in cable length.
- **Interchangeability** — with one common termination, switch series or mountings in BNC and TNC. Switch mountings in SMA.
- **Fully weatherproofed** — guaranteed with tapered stepped design of back nut.
- **Captive contact** — no movement of the center contact can occur once the connector is assembled.
- **Jacket retention** — jacket material is reformed and contained by back nut.

*U.S. Patent No. 3,373,243
Others Pending

Copyright, 1975, 1979 — The Bendix Corporation



The Square-Cut termination system provides the perfect marriage: a superior coaxial connector with the ultimate in connector/cable junction.

In accordance with the requirements of MIL-C-39012, Bendix Square-Cut connectors achieve outstanding results. Our coaxial connectors exceed all MIL SPEC electrical and environmental testing requirements while their simple internal construction lays the groundwork for superb performance at low cost.

Savings are inherent with the Square-Cut termination system. A simple and easy assembly can be performed in as little as 30 seconds. Only one clean "square-cut" is necessary to prepare the coaxial cable; no need to comb, flair or taper the braid. Once the soldering is completed, screw body tightly onto back nut and assembly is complete. Rapid assembly, with Square-Cut connectors, achieves real cost reductions.

Instead of a large number of loose pieces, sometimes as many as ten for a right angle connector, the Square-Cut is preassembled leaving only three pieces for the BNC and TNC; four pieces for the SMA. The few parts involved in assembling Square-Cut connectors ensures a dependable termination. Visual quality control, maintained throughout the entire assembly procedure, further enhances the reliability of the Square-Cut's performance.

Eliminating the need for special tools accrues additional savings. Whether in the field or in the factory, crimping tools and dies are unnecessary. Square-Cut connectors can be disassembled and replaced easily on location with minimum loss in cable length. Field repairability also helps to keep down costly removal procedures when rebuilding cable assemblies.

SQUARE CUT CONNECTORS

MIL-C-39012 PERFORMANCE WITH THE SQUARE CUT TERMINATION SYSTEM

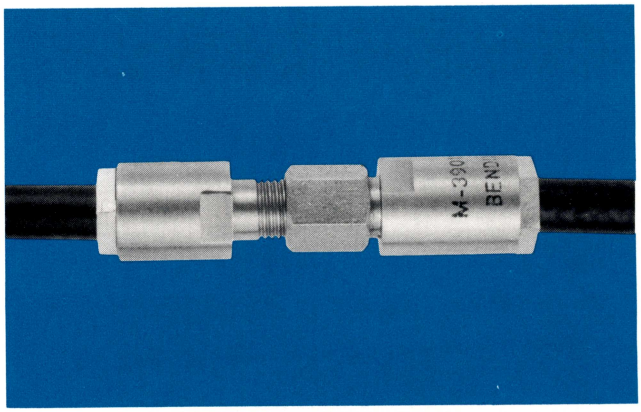
Square-Cut connections are durable as well as reliable. After the back nut is tightened they can withstand pull tests well in excess of MIL Spec requirements and are limited, only, by the tensile strength of the coaxial cable.

Interchangeable bodies in one assembly is a unique idea that reaps many benefits. In BNC and TNC series one common termination applies to all body styles. When handling different configurations in production, terminate them all at one time. Then merely screw on the mix of different bodies at the end of the line or as they are needed from stock. In the case of SMA, switch mountings — a single hole mount or cable mount.

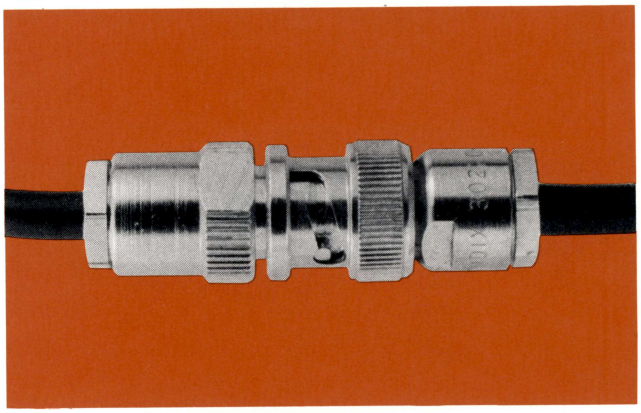
A fully weatherproofed cable retention is provided with the Square-Cut termination system. Concentric tapered rings, machined on the inside diameter of the back nut, grip the cable jacket material when tightened, completing the seal and eliminating additional washers, gaskets and time.

Positive center contact captivation is designed into the manufacture of the Square-Cut connector. No movement of the center contact can occur once the connector is assembled.

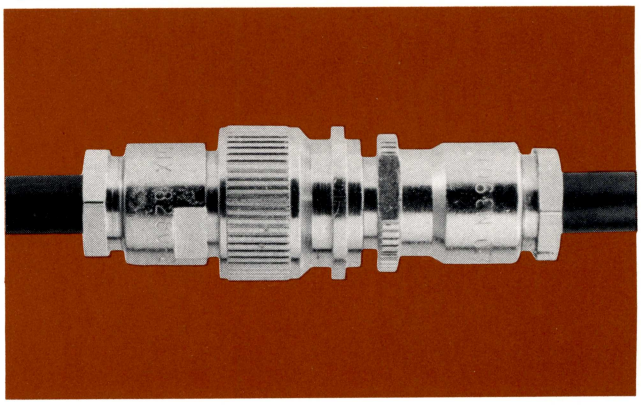
Retaining of the jacket is the secret to the Square-Cut cable retention. The union of the cone under the braid with the stepped hole of the back nut over the jacket reforms and contains the jacket material. A superior cable retention is fashioned and long load life guaranteed.



SMA



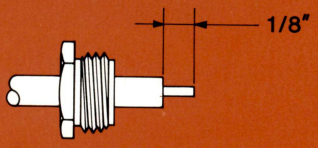
BNC



TNC

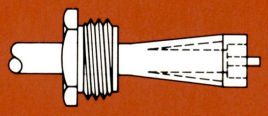
SMA

CUT SQUARE



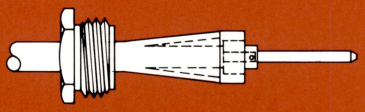
1. With backnut on cable, cut square through insulation, braid and dielectric, exposing conductor.

INSERT AND ROTATE



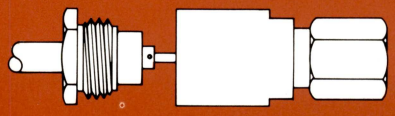
2. Insert clamp under braid and rotate clockwise until properly seated.

SEAT AND SOLDER



3. Seat insulator assembly in clamp and solder.

SCREW ON

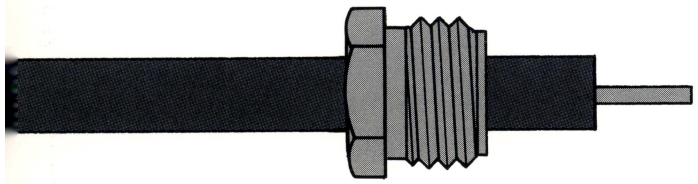


4. Screw body tightly onto backnut.

SQUARE CUT

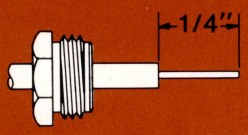
Termination System

A simple and easy assembly procedure that can be performed in as little as 30 seconds. With one common termination, switch series or mountings and repair in the field without the need of special tools.



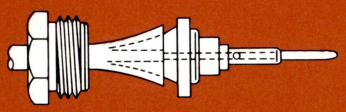
BNC-TNC

CUT SQUARE



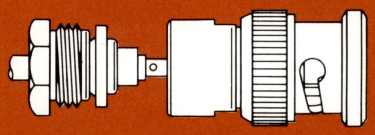
1. With backnut on cable, cut square through insulation, braid and dielectric, exposing conductor.

PUSH ON AND SOLDER

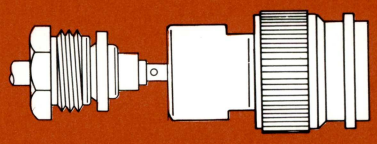


2. Push cable home onto contact assembly and solder.

SCREW ON – BNC



SCREW ON – TNC



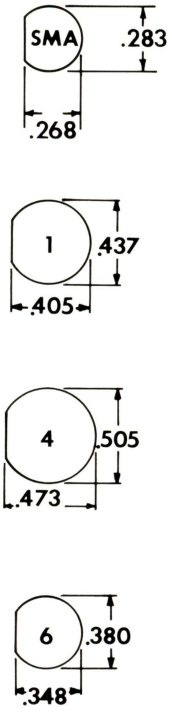
3. Screw body tightly onto backnut. backnut.

SQUARE CUT

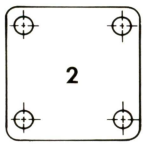
How to Order

Square-Cut connectors can be ordered by Bendix part number, as well as by the military part number. Illustrated below are two examples; one, a Bendix number with corresponding military number; two, a Bendix number without the military complement.

Mounting Holes



Mounting Plate



.688 square, .090 Thk
4 holes on .500 ℄
3-56 UNF-2B
Threaded

	BENDIX PART NUMBER	MILITARY PART NUMBER
Example No. 1 BNC Cable Plug	39100-7 Special Features (Cable, Plating, etc.) RG-(303)/U Square-Cut Mother number	M39012/16-0111
Example No. 2 BNC Cable Plug	39100-5 Special Features (Cable, Plating, etc.) RG-(180)/U Square-Cut Mother number	MIL SPEC does not cover application for use of RG-(180)/U;therefore no military part number

Cross Reference Tables:
The Military Specification includes three catagories:
A - Clamp terminations are FIELD SERVICEABLE. NO SPECIAL TOOLS REQUIRED.
B - Special Crimp terminations are NONFIELD REPLACEABLE. SPECIAL TOOLS MAY BE REQUIRED.
C - Standard Crimp terminations are FIELD REPLACEABLE. (MIL-C-22520 Crimp Tool)

Bendix part numbers, shown in color on the following pages, are available in Square-Cut termination only. (Military counterpart — Category A) For Bendix part numbers using crimp type terminations consult factory.

These part numbers reflect the more popular cable styles; However, terminations for special cables are available. Consult the factory.

Commercial vs. Military Connectors:
We have part numbers for commercial and military versions of the Bendix Square-Cut connector. In BNC and TNC the only difference is the plating. Our commercial connectors have silver plated contacts while the military specifies gold to an minimum plating thickness.

The outside finish is a special non-tarnish alloy on all connectors; however, the plating formulation on the military connectors varies to meet MIL-C-39012 contact resistance specification, giving them a more satin appearance. We feel that this is preferred by most users over a silver outside finish which is the common alternate.

The Bendix NT-44 Non-Tarnish plating finish is exclusive and is approved under MIL-C-39012 specification requirements.

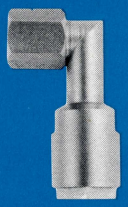
We would rather standardize on a single part number but the commercial NT-34 plating is a significant cost reduction;therefore we offer both versions.

SMA

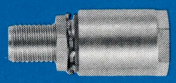
Square Cut Connectors

The SMA represents the latest development in Bendix Square-Cut connectors exceeding all MIL-C-39012 requirements for performance, material and finish. With proper cable selection, these threaded coupling, sub-miniature, lightweight connectors offer excellent operating characteristics up to 18GHz. A stainless steel, passivated finish gives the SMA Square-Cut excellent corrosion resistant qualities. SMA Square-Cut is available in six body styles.*

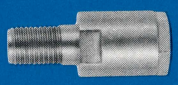
Cable Plug



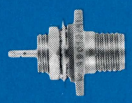
Right Angle Cable Plug



Single Hole Mount Cable Jack



Cable Jack



Straight Front Mount Jack Receptacle

MIL-C-39012 SPECIFICATIONS

ELECTRICAL

Nominal impedence . . . . . 50 ohms

Frequency range . . . . . 0 to 12.4 GHz

Contact resistance:
(in milliohms max.)

	Contact Center	Outer
Right Angle Plug	4.0	2.0
(Herm.) S.H.Mt. Jack Recp	7.0	2.0
Other Conn. Assemblies	3.0	2.0

Insulation resistance . . . . MIL-STD-202, Method 302 Test condition B, 5,000 Megohms, min.

Insertion loss . . . . 0.15 db max. at 6GHz

Cables	Voltage Rating (Max. VRMS) at Sea Level	Voltage Rating (Max. VRMS) at 70,000 ft.	Dielectric Withstanding Voltage (VRMS)	VRWR	RF Hi Pot Withstanding Voltage (VRMS)	Corona Level Volts (Min.) at 70,000 ft.
178	170	45	500	1.20+ 0.025(F) GHz	335	125
122, 174 179, 316	250	65	750	1.15+ 0.02(F) GHz	500	190
58, 142 223, 303 400	335	85	1,000	1.15+ 0,01(F) GHz	670	250

MATERIAL

Pin center contacts . . . . . Brass, QQ-B-626

Socket center contacts . . Beryllium copper, QQ-C-530

Other metal parts . . . . . Brass, QQ-B0626 and Stainless Steel, QQ-S-746

Insulator . . . . . Teflon, L-P-403

Plating

Contacts: Military . Gold over Copper, MIL-G-45204

Commercial . Silver, QQ-S-365

Body: Military and Commercial . . . . Passivated

Gaskets . . . . . Silicone rubber, ZZ-R-765

MECHANICAL

Coupling retention . . . . . 60lbs. min.

Cable retention:

Cable Dielectric Outer Diameter	Pounds (min) Single Braid	Pounds (min) Double Braid
Inches (max)		
.036	10	N/A
.067	20	N/A
.110	30	N/A
.122	40	45

ENVIRONMENTAL (MIL-STD-202)

Vibration . . Method 204 Test Condition D

Shock . . . . Method 213 Test Condition I

Temperature Cycling . . . . . Method 102 Test Condition B

Corrosion, salt spray . . . . . Method 101 Test Condition B

Moisture resistance . . . . . Method 106

Altitude . . . Method 105 Test Condition C

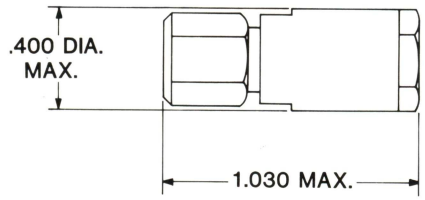
See MIL-C-39012 specifications for additional information.

*Hermetic sealed single mount not illustrated. Dimensional data can be found on page 10.

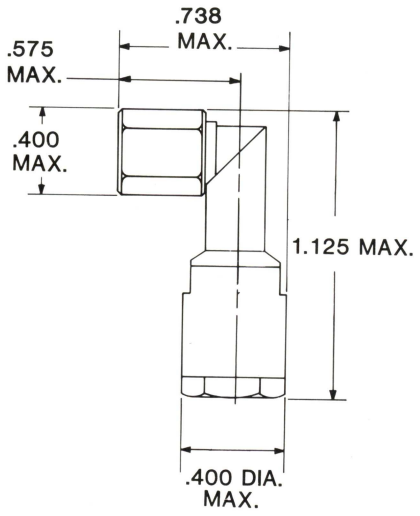
SMA

Cable Plugs

Cable Plug



Right Angle Cable Plug



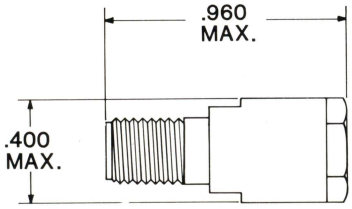
Cable RG-( )/U	Bendix Square-Cut		Category A
	Commercial	Military	Clamp
178	31506-1	31480-1	M39012/55 -3006
174, 316, 179, 188	31506-2	31480-2	-3007
122	31506-3	31480-3	-3008
58, 142, 400	31506-4	31480-4	-3009
223	31506-5		
303	31506-6	31480-6	-3010

Cable RG-( )/U	Bendix Square-Cut		Category A
	Commercial	Military	Clamp
178	31508-1	31483-1	M39012/56 -3006
174, 316, 179, 188	31508-2	31483-2	-3007
122	31508-3	31483-3	-3008
58, 142, 400	31508-4	31483-4	-3009
223	31508-5		
303	31508-6	31483-6	-3010

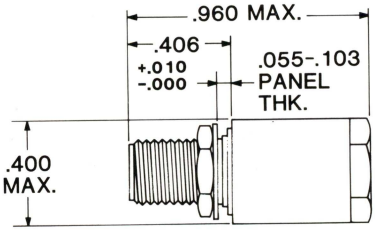
SMA

Cable Jacks

Cable Jack



Single Hole Mount Cable Jack



Mounting Hole SMA — see page 6

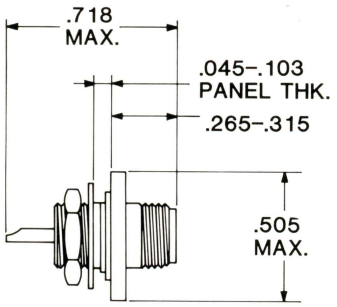
Cable RG-( )/U	Bendix Square-Cut		Category A Clamp
	Commercial	Military	
178	31501-1	31481-1	M39012/57 -3006
174, 316, 179, 188	31501-2	31481-2	-3007
122	31501-3	31481-3	-3008
58, 142, 400	31501-4	31481-4	-3009
223	31501-5		
303	31501-6	31481-6	-3010

Cable RG-( )/U	Bendix Square-Cut		Category A Clamp
	Commercial	Military	
178	31507-1	31482-1	M39012/59 -3006
174, 316, 179, 188	31507-2	31482-2	-3007
122	31507-3	31482-3	-3008
58, 142, 400	31507-4	31482-4	-3009
223	31507-5		
303	31507-6	31482-6	-3010

SMA

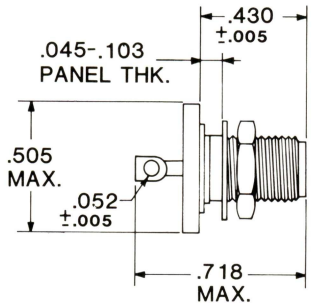
Mating Receptacles

Straight Front Mount Jack Receptacle



Mounting Hole SMA — see page 6

Hermetic Sealed Single Hole Mount Jack Receptacle



Mounting Hole SMA — see page 6

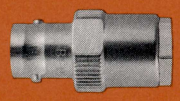
Cable RG-( )/U	Bendix Square-Cut		Category A
	Commercial	Military	Clamp
	31509-2	31486-1	M39012/61 -3002

Cable RG-( )/U	Bendix Square-Cut		Category A
	Commercial	Military	Clamp
	31509-1	31485-1	M39012/62 -3001

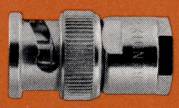
BNC

Square Cut Connectors

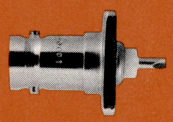
Miniature, lightweight and weatherproofed, BNC connectors are available in bayonet construction and provide excellent electrical characteristics up to 4GHz. Overall performance is enhanced through the Square-Cut termination system. A special non-tarnish alloy is applied as an outside finish. The BNC Square-Cut is available in ten body styles.*



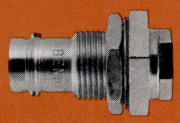
Cable Jack



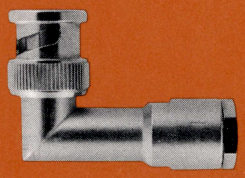
Cable Plug



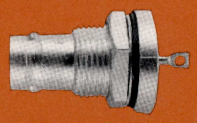
Flange Mount Jack Receptacle



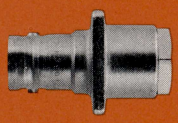
Single Hole Mount Cable Jack



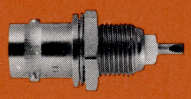
Right Angle Cable Plug



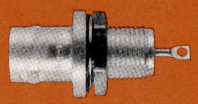
Hermetic Sealed Single Hole Mount Jack Receptacle



Flange Mount Cable Jack



Single Hole Mount Jack Receptacle



Hermetic Sealed Single Hole Mount Jack Receptacle

MIL-C-39012 SPECIFICATIONS

ELECTRICAL

Nominal impedance . . . . . 50 ohms
Frequency range . . . . . 0 to 4 GHz
Voltage rating . . . . . 500 VRMS
Dielectric withstanding voltage . . . . . 1500 VRMS, min.
VSWR . . . . . 1.30 max.
Contact resistance . . . . . Center contact 1.5 Milliohms, max. Outer contacts 0.2 Millohms, max.
Insulation resistance . . . . . MIL-STD-202, Method 302 Test Condition B, 5,000 Megohms, min.
Insertion loss . . . . . 0.2db max. at 3 GHz

MATERIAL

Pin center contacts . . . . . Brass, QQ-B-626
Socket center contacts . . Beryllium copper, QQ-C-530
Other metal parts . . . . . Brass, QQ-B-626
Insulator . . . . . Teflon, L-P-403
Plating
Contacts: Military . . . . . Gold over Copper, MIL-G-45204
Commercial . Silver, QQ-S-365
Body: Military . . . NT-44 Non-Tarnish Nickel Alloy
Commercial . NT-34 Non-Tarnish Nickel Alloy
Gaskets . . . . . Silicone rubber, ZZ-R-765

MECHANICAL

Coupling retention . . . . . 100 lbs. min.
Cable retention . . . . . 40 lbs. or cable tensile strength

ENVIRONMENTAL (MIL-STD-202)

Vibration . . Method 204 Test Condition B
Shock . . . . Method 213 Test Condition G
Temperature cycling . . . . . Method 102 Test Condition C
Corrosion, salt spray . . . . . Method 101 Test Condition B
Moisture resistance . . . . . Method 106
Altitude . . . Method 105 Test Condition C

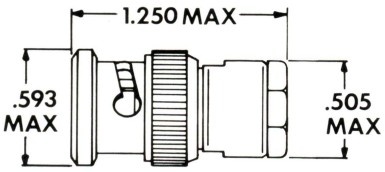
See MIL-C-39012 specifications for additional information.

*Single Hole Mount Right Angle Jack Receptacle, not illustrated. Dimensional data can be found on page 16.

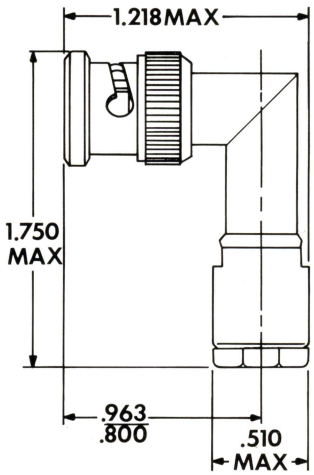
BNC

Cable Plugs

Cable Plug



Right Angle Cable Plug



Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
	Commercial	Military	A Clamp	B Special Crimp	C Standard Crimp	
223	30220-8	39100-2	M39012/16			88
142 58 141	30220-1		-0001* -0101	-0005 -0007	-0014	
400				-0004 -0006	-0013	
303		39100-7	-0011* -0111	-0006	-0013	
140 59 62 210 71	30220-3	39100-3	-0002* -0102	-0008 -0012	-0015 -0017	260
122	30220-10	39100-6	-0003* -0103	-0009	-0016	1033
302		39100-8	-0018* -0118	-0019	-0020	
180		39100-5				
188 174 316	30220-12	39100-10				

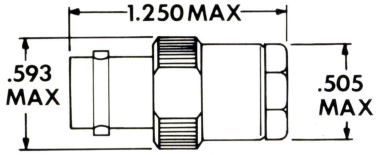
Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
	Commercial	Military	A Clamp	B Special Crimp	C Standard Crimp	
223	30518-6	39101-2	M39012/20			913
142 58 141	30518-2		-0001* -0101	-0003 -0005	-0007	
400				-0002 -0004	-0006	
303		39101-7		-0004	-0006	
140 59 62 210 71	30518-4	39101-3				
122	30518-8	39101-6				
302		30101-8	-0008* -0108	-0009	-0010	
180		39101-5				
188 174 316	30518-10	39101-10				

*Dropped from specification MIL-C-39012 and any new design considerations.

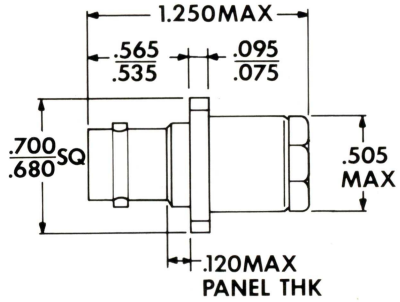
BNC

Cable Jacks

Cable Jack



Flange Mount Cable Jack



Mounting Plate No. 2 — see page 6

Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
			A	B	C	
	Commercial	Military	Clamp	Special Crimp	Standard Crimp	
223	30516-6	39102-2	M39012/17	-0005	-0014	89
142 58 141	30516-2		-0001* -0101	-0007		
				-0004	-0013	
400				-0006		
303		39102-7	-0011* -0111	-0006	-0013	
140 59 62 210	30516-4	39102-3	-0002* -0102	-0008	-0015	261
71				-0012	-0017	
122	30516-8	39102-6	-0003* -0103	-0009	-0016	1056
302		39102-8	-0018* -0118	-0019	-0020	
180		39102-5				
188 174 316	30516-10	39102-10				

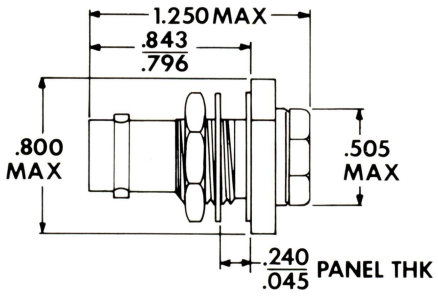
Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
			A	B	C	
	Commercial	Military	Clamp	Special Crimp	Standard Crimp	
223	30537-6	39104-2	M39012/18	-0005	-0014	291
142 58 141	30537-2		-0002* -0102	-0007		
				-0004	-0013	
400				-0006		
303		39104-7	-0011* -0111	-0006	-0013	
140 59 62 210	30537-4	39104-3	-0001* -0101	-0008	-0015	262
71				-0012	-0017	
122	30537-8	39104-6	-0003* -0103	-0009	-0016	1055
302		39104-8	-0018* -0118	-0019	-0020	
180		39104-5				
188 174 316	30537-10	39104-10				

*Dropped from specification MIL-C-39012 and any new design considerations.

BNC

Cable Jack

Single Hole Mount Cable Jack



Mounting Hole No. 4 — see page 6

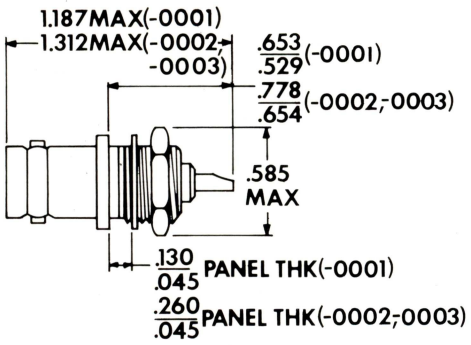
Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
			A	B	C	
	Commercial	Military	Clamp	Special Crimp	Standard Crimp	
223	30517-6	39103-7	M39012/19			909
142	30517-2		-0001* -0101	-0004	-0014	
58				-0006		
141				-0003	-0013	
400				-0005		
303		39103-10	-0011* -0111	-0005	-0013	
140	30517-4	39103-3	-0002* -0102	-0007	-0015	910
59						
62						
210						
71				-0012	-0017	
122	30517-8	39103-9	-0010* -0110	-0008	-0016	
302		39103-11	-0018* -0118	-0019	-0020	
180		39103-8				
188	30517-10	39103-13				
174						
316						

*Dropped from specification MIL-C-39012 and any new design considerations.

BNC

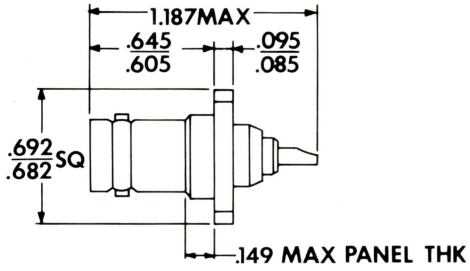
Mating Receptacles

Single Hole Mount Jack Receptacle



Mounting Hole No. 1 (-0001, -0003)
Mounting Hole No. 6 (-0002) — see page 6

Flange Mount Jack Receptacle



Mounting Plate No. 2 — see page 6

Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
	Commercial	Military	A Clamp	B Special Crimp	C Standard Crimp	
		39400-1	M39012/21-0001			625
		39400-2	M39012/21-0002*			1094
		39400-5	M39012/21-0003			

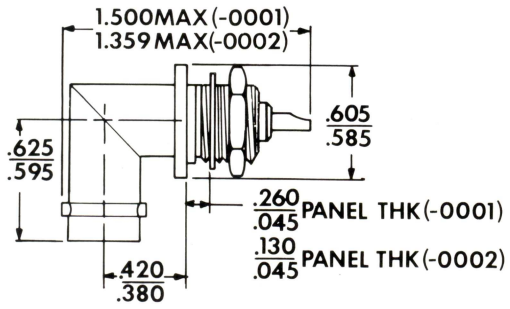
Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
	Commercial	Military	A Clamp	B Special Crimp	C Standard Crimp	
		39401-1	M39012/22-0001			290

*Not recommended for new design

BNC

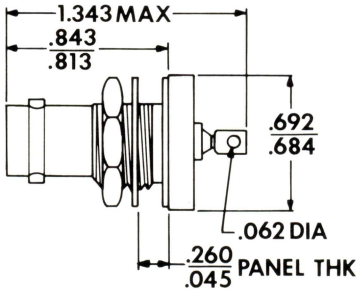
Mating Receptacles

Single Hole Mount Right Angle Jack Receptacle



Mounting Hole No. 6 (-0001)
Mounting Hole No. 1 (-0002) — see page 6

Hermetic Sealed Single Hole Mount Jack Receptacle

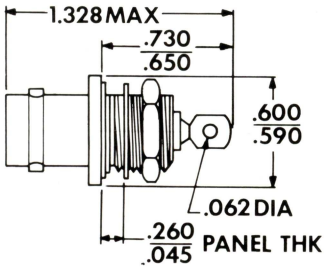


Mounting Hole No. 4 — see page 6

Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
	Commercial	Military	A Clamp	B Special Crimp	C Standard Crimp	
		39402-1	M39012/23-0001			1098
		39402-2	M39012/23-0002			1174

Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
	Commercial	Military	A Clamp	B Special Crimp	C Standard Crimp	
		39403-1	M39012/24-0001			911

Hermetic Sealed Single Hole Mount Jack Receptacle



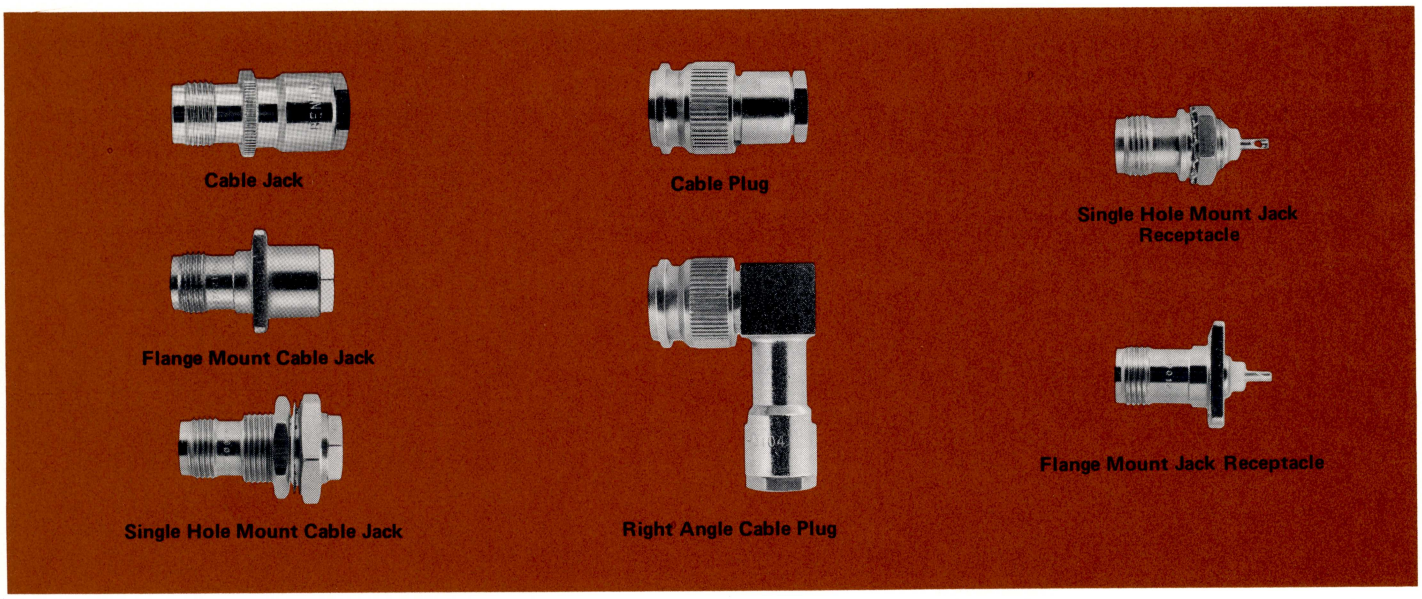
Mounting Hole No. 6 — see page 6

Cable RG-( )/U	Bendix Square-Cut		Category			Replaces Connector UG-( )/U
	Commercial	Military	A Clamp	B Special Crimp	C Standard Crimp	
		39404-1	M39012/24-0002			912

TNC

Square Cut Connectors

These connectors are small, lightweight and environmental. Designed with a threaded coupling construction they provide excellent electrical performance up to 11GHz. The TNC can be Square-Cut terminated. The outside finish is a special non-tarnish alloy. TNC Square-Cut is available in ten body styles.*



MIL-C-39012 SPECIFICATIONS

ELECTRICAL

Nominal impedance . . . . . 50 ohms
Frequency range . . . . . 0 to 11 GHz
Voltage rating . . . . . 500 VRMS
Dielectric withstanding voltage . . . . . 1500 VRMS, min.
VSWR . . . . . 1.30 max.
Contact resistance . . . . . Center contact 1.5 Milliohms, max. Outer contacts 0.2 Millohms, max.
Insulation resistance . . . . . MIL-STD-202, Method 302 Test Condition B, 5,000 Megohms, min.
Insertion loss . . . . 0.18db max. at 9 GHz

MATERIAL

Pin center contacts . . . . . Brass, QQ-B-626
Socket center contacts . . Beryllium copper, QQ-C-530
Other metal parts . . . . . Brass, QQ-B-626
Insulator . . . . . Teflon, L-P-403
Plating
Contacts: Military . . . . . Gold over Copper, MIL-G-45204
Commercial . Silver, QQ-S-365
Body: Military . . . NT-44 Non-Tarnish Nickel Alloy
Commercial . NT-34 Non-Tarnish Nickel Alloy
Gaskets . . . . . Silicone rubber, ZZ-R-765

MECHANICAL

Coupling retention . . . . . 100 lbs. min.
Cable retention . . . . . 40 lbs. or cable tensile strength

ENVIRONMENTAL (MIL-STD-202)

Vibration . . Method 204 Test Condition B
Shock . . . . Method 213 Test Condition I
Temperature cycling . . . . . Method 102 Test Condition C
Corrosion, salt spray . . . . . Method 101 Test Condition B
Moisture resistance . . . . . Method 106
Altitude . . . Method 105 Test Condition C

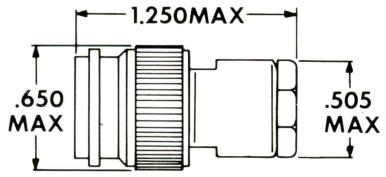
See MIL-C-39012 specifications for additional information.

*Single Hole Mount Right Angle Jack Receptacle, Hermetic Sealed Single Hole Mount Jack Receptacles - 38033-1 and 38033-2, not illustrated. Dimensional data can be found on page 22.

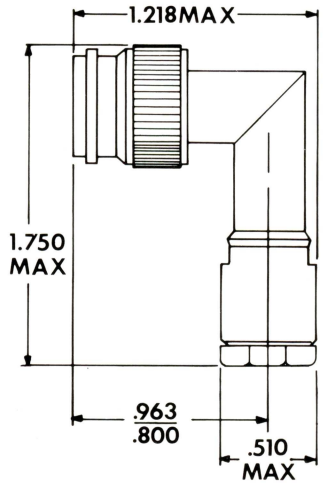
TNC

Cable Plugs

Cable Plug



Right Angle Cable Plug



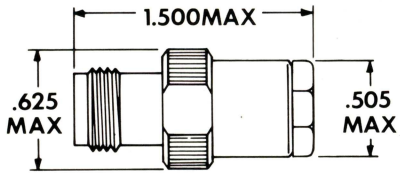
Cable RG-( )/U	Bendix Square-Cut		Category			Cable RG-( )/U	Bendix Square-Cut		Category		
			A	B	C				A	B	C
	Commercial	Military	Clamp	Special Crimp	Standard Crimp		Commercial	Military	Clamp	Special Crimp	Standard Crimp
223	8280-6	38100-2	M39012/26	-0016	-0011	223	8284-6	38109-2	M39012/30	-0016	-0011
142 400 58 141	8280-2		-0001* -0101	-0006		142 400 58 141	8284-2		-0001* -0101	-0006	
				-0005	-0010					-0005	-0010
303		38100-7	-0004* -0104	-0015	-0010	303		38109-7	-0004* -0104	-0015	-0010
140 59 62 210 71	8280-4	38100-3	-0002* -0102	-0007	-0012	140 59 62 210 71	8284-4	38109-3	-0002* -0102	-0007	-0012
				-0009	-0014					-0009	-0014
122	8280-8	38100-6	-0003* -0103	-0008	-0013	122	8284-8	38109-6	-0003* -0103	-0008	-0013
302		38100-8	-0017* -0117	-0019	-0021	302		38109-8	-0017* -0117	-0019	-0021
180		38100-5				180		38109-5			
188 174 316	8280-10	38100-10	-0018	-0020	-0022	188 174 316	8284-10	38109-10	-0018* -0118	-0020	-0022

*Dropped from specification MIL-C-39012 and any new design considerations.

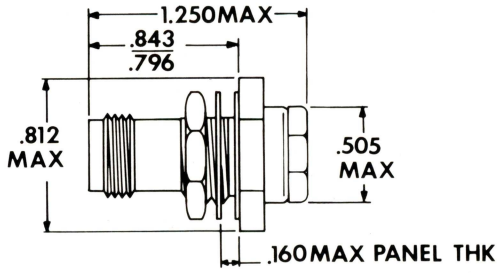
TNC

Cable Jacks

Cable Jack



Single Hole Mount Cable Jack



Mounting Hole No. 4 — see page 6

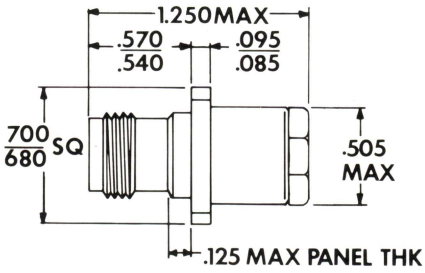
Cable RG-( )/U	Bendix Square-Cut		Category			Cable RG-( )/U	Bendix Square-Cut		Category		
			A	B	C				A	B	C
	Commercial	Military	Clamp	Special Crimp	Standard Crimp		Commercial	Military	Clamp	Special Crimp	Standard Crimp
223	8281-6	38106-7	M39012/27	-0016	-0011	223	8282-6	38108-4	M39012/28	-0016	-0011
142 400 58 141	8281-2		-0001* -0101	-0006		142 400 58 141	8282-2		-0001* -0101	-0006	
				-0005	-0010					-0005	-0010
303		38106-8	-0004* -0104	-0015	-0010	303		38108-8	-0004* -0104	-0015	-0010
140 59 62 210 71	8281-4	38106-10	-0002	-0007	-0012	140 59 62 210 71	8282-4	38108-5	-0002* -0102	-0007	-0012
				-0009	-0014					-0009	-0014
122	8281-8	38106-16	-0003* -0103	-0008	-0013	122	8282-8	38108-7	-0003* -0103	-0008	-0013
302		38106-9	-0017* -0117	-0019	-0021	302		38108-12	-0017* -0117	-0019	-0021
180		38106-12				180		38108-16			
188 174 316	8281-10	38106-14	-0018	-0020	-0022	188 174 316	8282-10	38108-14	-0018	-0020	-0022

*Dropped from specification MIL-C-39012 and any new design considerations.

TNC

Cable Jack

Flange Mount Cable Jack



Mounting Plate No. 2 — see page 6

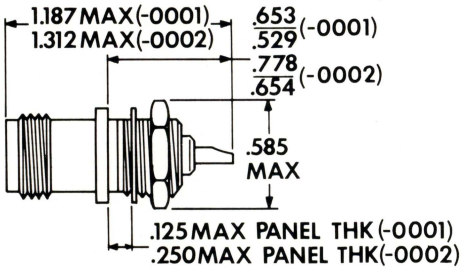
Cable RG-( )/U	Bendix Square-Cut		Category		
			A	B	C
	Commercial	Military	Clamp	Special Crimp	Standard Crimp
223	8283-6	38110-2	M39012/29		
142 400 58 141	8283-2	38110-2	-0001* -0101	-0016 -0006 -0005	-0011 -0010
303		38110-7	-0004* -0104	-0015	-0010
140 59 62 210 71	8283-4	38110-3	-0002* -0102	-0007 -0009	-0012 -0014
122	8283-8	38110-6	-0003* -0103	-0008	-0013
302		38110-8	-0017* -0117	-0019	-0021
180		38110-5			
188 174 316	8283-10	38110-10	-0018	-0020	-0022

*Dropped from specification MIL-C-39012 and any new design considerations.

TNC

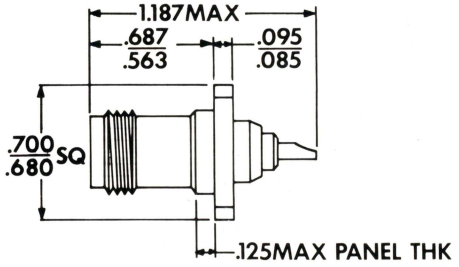
Mating Receptacles

Single Hole Mount Jack Receptacle



Mounting Hole No. 1 (-0001)
Mounting Hole No. 6 (-0002) — see page 6

Flange Mount Jack Receptacle



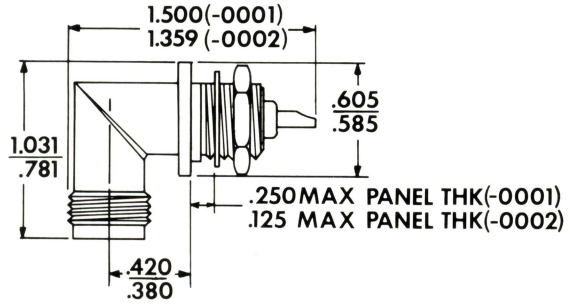
Mounting Plate No. 2 — see page 6

Cable RG-( )/U	Bendix Square-Cut		Category			Cable RG-( )/U	Bendix Square-Cut		Category		
			A	B	C				A	B	C
	Commercial	Military	Clamp	Special Crimp	Standard Crimp		Commercial	Military	Clamp	Special Crimp	Standard Crimp
		38013-1	M39012/31-0002					38024-1	M39012/32-0001		
		38013-2	M39012/31-0001								

TNC

Mating Receptacles

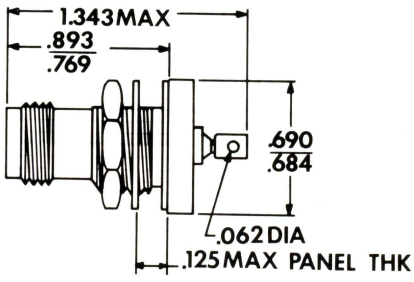
Single Hole Mount Right Angle Jack Receptacle



Mounting Hole No. 6 (-0001)
Mounting Hole No. 1 (-0002) — see page 6

Cable RG-( )/U	Bendix Square-Cut		Category		
			A	B	C
	Commercial	Military	Clamp	Special Crimp	Standard Crimp
		38014-1	M39012/33-0001		
		38014-2	M39012/33-0002		

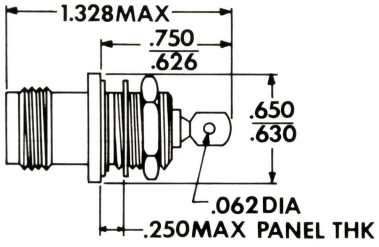
Hermetic Sealed Single Hole Mount Jack Receptacle



Mounting Hole No. 4 — see page 6

Cable RG-( )/U	Bendix Square-Cut		Category		
			A	B	C
	Commercial	Military	Clamp	Special Crimp	Standard Crimp
		38033-1	M39012/34-0001		

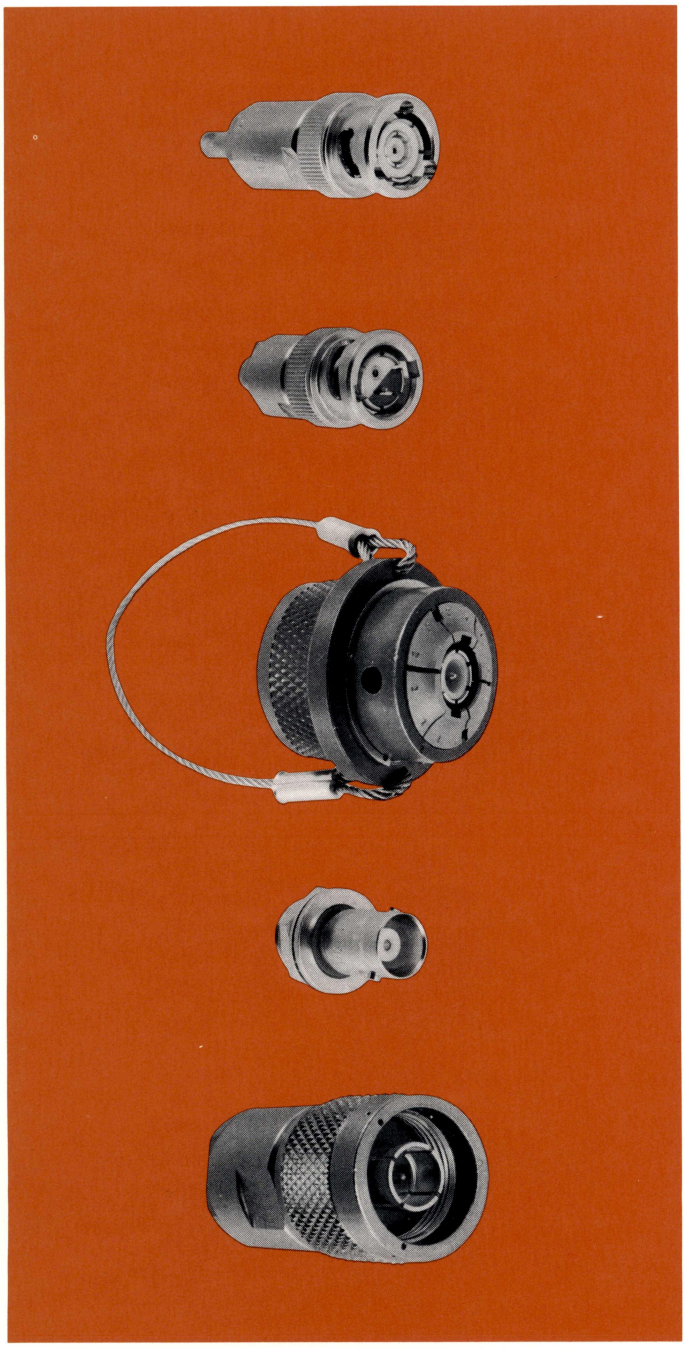
Hermetic Sealed Single Hole Mount Jack Receptacle



Mounting Hole No. 6 — see page 6

Cable RG-( )/U	Bendix Square-Cut		Category		
			A	B	C
	Commercial	Military	Clamp	Special Crimp	Standard Crimp
		38033-2	M39012/34-0002		

RF
Specials



Triax Series

Meets all MIL-C-49142 performance and material requirements. Available in BNC and TNC with clamping or crimp-on hardware for triax or twinax cable.

Twinax Series

Offered in BNC and TNC, this series can be Square-Cut terminated. Crimp-on hardware is also available as an alternate method of cable termination.

Breakaway

Square-Cut connectors designed with a lanyard release for quick disconnect applications. Available in BNC and TNC construction, the segmented design of the front face assures complete separation upon lanyard pull.

Isolated Ground

BNC and TNC connectors for applications where the outer cable conductor must be insulated from the bulkhead or enclosure.

N

Meets all MIL-C-39012 performance and material requirements. Designed for general purpose medium size RF cable such as RG-8/U, this weatherproof, threaded coupling connector has a 1500 volt rating and an 11 GHz frequency limit. Available in Square-Cut termination.

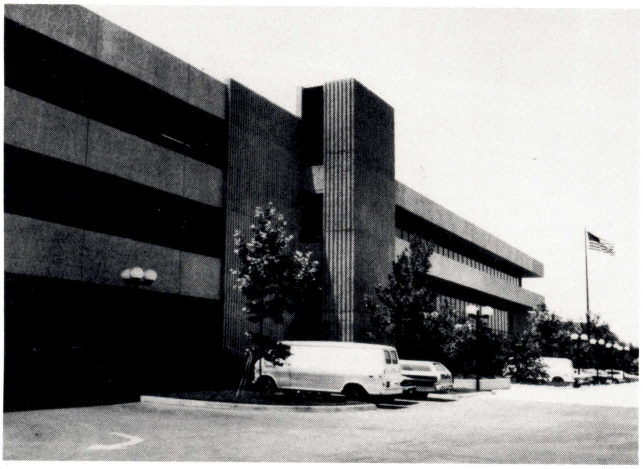
SQUARE CUT

Value Added Distributors

- STOCK COMPONENT PARTS
- OFF THE SHELF DELIVERY
- WORLDWIDE DISTRIBUTION
- BENDIX VALUE ADDED QUALITY

Write or Call:

Powell Electronics
International Airport
Philadelphia, PA 19101
Phone: 215-365-1900



Hamilton/Avnet Electronics
10916 Washington Blvd., W.
Culver City, CA 90230
Phone: 213-558-2360

sales offices

BOSTON
9 Meriam Street
Lexington, MA 02173
Phone: 617-861-8900

CHICAGO
521 Stevens Court
Sleepy Hollow, IL 60118
Phone: 312-296-7791

DALLAS
Suite 317, Plaza North
2880 LBJ Freeway
Dallas, TX 75234
Phone: 214-243-4394

DAYTON
1210 One First National Plaza
Dayton, OH 45402
Phone: 513-222-8002

HOME OFFICE
Sidney, NY 13838
Phone: 607-563-5315

INTERNATIONAL
Sidney, NY 13838
PHONE: 607-563-5367
Telex: 932-456
TWX: 510-261-7550
Cable: BENDIX SDNY

HOUSTON
410 Petrel Court
Crosby, TX 77532
Phone: 713-525-1118

LOS ANGELES
10221 Slater Avenue
Suite 105
Fountain Valley, CA 92708
Phone: 714-964-2591

MINNEAPOLIS
7320 Gallagher Drive
Edina, MN 55435
Phone: 612-854-5364

NEW YORK METROPOLITAN
P.O. Box 1948
Teterboro, NJ 07608
Phone: 201-288-1710

ORLANDO
Suite 214, 235 S. Maitland Avenue
Maitland, FL 32751
Phone: 305-645-2005

SAN FRANCISCO
Suite 106, Commerce Park
3000 Scott Blvd.
Santa Clara, CA 95050
Phone: 408-727-1401

SEATTLE
725 Industry Drive
Tukwila, WA 98188
Phone: 206-575-4100

ST. LOUIS
12745 Lonsdale Drive
Bridgeton, MO 63044
Phone:314-647-1111

WASHINGTON, D.C.
1911 N. Fort Myer Dr.
Arlington, VA 22209
Phone 703-841-1200

CANADA
Aviation Electric Ltd.
P.O. Box 2140, Station "O"
Montreal, P.Q., Canada H4L 4X8
Phone: 514-744-2811

distributors

HAMILTON/AVNET ELECTRONICS
Costa Mesa, California
Huntsville, Alabama
Phoenix, Arizona
Culver City, California
Mountain View, California
San Diego, California
Denver, Colorado
Georgetown, Connecticut
Ft. Lauderdale, Florida
St. Petersburg, Florida
Atlanta, Georgia
Chicago, Illinois
Kansas City, Kansas
Baltimore, Maryland
Boston, Massachusetts
Detroit, Michigan
Minneapolis, Minnesota
St. Louis, Missouri
Cedar Grove, New Jersey
Mt. Laurel, New Jersey
Albuquerque, New Mexico
Syracuse, New York
Rochester, New York
Melville, New York
Raleigh, North Carolina
Cleveland, Ohio
Dayton, Ohio
Dallas, Texas
Houston, Texas
Salt Lake City, Utah
Seattle, Washington
Milwaukee, Wisconsin

POWELL ELECTRONICS
Huntsville, Alabama
Sunnyvale, California
Miami Springs, Florida
Beltsville, Maryland
Framingham, Massachusetts
Philadelphia, Pennsylvania
Dallas, Texas

ASTREX CO.
Connector Co. Div.
New Haven, Connecticut

RESTART ELECTRONICS
Port Washington, New York

C. TENNANT ELECTRONICS
DIVISION
Kansas City, Kansas
Minneapolis, Minnesota
Woodbury, New York